Phones: + 91-0512-2597791,7792
Email: vinod@iitk.ac.in

Indian Institute of Technology Kanpur

Environmental Engineering and Management

Department of Civil Engineering

Professor Vinod Tare **Post Office: I.I.T Kanpur – 208016**

Enquiry No: CE/EEM/2017-18/AC-II/CODR/1 Date: 26-05-2017
Last Date**: June 02, 2017**

Sub: Call for quotation for a COD Reactor.

Sealed Quotation(s) are invited (in Indian rupees) for the purchase of COD Reactor.

Specification & Details of Requirement

S.N	Specification	
1	Type	Bench-top Instrument
2	Display	LCD Display
3	Programmable temperature range	37 to 165°C in 1oC increment
4	Programmable timer range	0 to 480 minutes
5	Heating Rate	20 to 150°C in 10 minutes
6	Number of Vials	15 vials x 16 mm + 15 vials 16 mm (dual block)
7	Operating Temperature Range:	10 - 45 °C
8	Temperature Stability:	± 2 ºC
9	Signal	Audible signal automatically and shut down at the end of the digestion time.

Other requirement

- The instrument should have two heating blocks to accommodate 15 vials x 16 mm + 15 vials x16 mm (dual block 30 vials) in total.
- The instrument should have two heating blocks shall be able to set temperature and timers independently allowing to use the reactor for two testing methods.

- The instrument should be used for digestions for metals analysis, and digestions for metals like lead, cadmium, copper, iron, nickel, zinc for nutrients analysis, or to culture biological samples.
- The instrument should be equipped with stored digestion programs for COD, TOC, Total Chromium, Total Nitrogen, Total Phosphate, & Trihalogenmethane.
- The reactor should also be capable of storing 3 user defined methods for digestion.

- Heating blocks should be covered with transparent lids for operator safety.
- The power requirements of the instrument should be 220-240 V AC, 50/60 Hz.

 # Indenter keeps rights to cancel the tender enquiry and purchase procedure anytime without any notice.

Kindly submit the sealed quotation to the following address by 12.00 pm of **June 02, 2017** with all terms and conditions and delivery details.

Dr. Vinod Tare
Environmental Engineering Laboratory (WL-116),
Department of Civil Engineering
IIT Kanpur- 208016

Sincerely,

Vinod Tare